INDEX to VOL. XXIII.

ACETYLENE, the catalytic combustion of, 409.
Acid chlorides, the Raman spectra of some, 1067.
Acoustic impedance bridge, 665.
—— insulation by means of elastic supports, the effect of air coupling in, 154.
Adsorption, the influence of magnetic field on, 256.
—— forces and their electrical nature.—III. On the nature of the forces of wetting, 294.
Aerodynamic characteristics of a cylinder having a heated boundary layer, 681.
Aerofoils, methods for the calculation lift, distributions of, 731.
Air, viscosity of, a new determination by the rotating cylinder method, 313.
Air-water interface, the potential difference at, 88.
Allen (J.) and Grundberg (N. D.), the resistance to the flow of water along smooth rectangular passages and the effect of a slight convergence or divergence of the boundaries, 490.
Alpha particles in hydrogen, on the loss of energy by, 230.
Angle-iron, symmetrical flexure of an, 745.
Ashworth (Dr. J. R.), the calculation of the temperature coefficient of a magnet, 355.
Aston (Dr. G. H.) and Constable (Dr. J. E. R.), the sound insulation of single and complex partitions, 161.
Ataka (Hikosaburo), general form of a resonance curve, 306.
Atomic forces of solid state, on the, 33.
Auroral and night sky light, on the production of, 657.
Bailey (Prof. V. A.), the motions of electrons in a gas in the presence of variable electric fields and a constant magnetic field, 774; on some effects caused in the ionosphere by electric waves.—Part I., 929.
Beams, the deflexion of unsupported, under variable loads, 580.
Bessel and Struve functions, operational forms for, 918.
—— functions, contour integral expressions for, 762.
Bhar (J. N.) and Syam (P.), effect of thunderstorms and magnetic storms on the ionization of the Kennelly-Heaviside layer, 513.
Bhatnagar (Prof. S. S.), Kapur (P. L.), and Kapur (A. N.), the influence of magnetic field on adsorption, 256.
Bickley (Dr. W. G.), the plane jet, 727.
Binnie (A. M.) and Hooker (Dr. S. G.), the radial and spiral flow of a compressible fluid, 597.
Books, new :—R. V. Southwell, An Introduction to the Theory of Elasticity for Engineers and Physicists, 191; Kathleen Lonsdale, Simplified Structure Factor and Electron Density Formulæ for the 230 Space Groups of Mathematical Crystallography, 192; Biological Effects of Radiation. Mechanism and Measurement of Radiation, Applications in Biology, Photochemical Reactions, Effects of Radiant Energy on Organisms and Organic Products. Edited by Prof. B. M. Duggar, 310; G. W. C. Kaye and T. H. Laby, Tables of Physical and Chemical Constants and some Mathematical Functions, 312; W. H. George, The Scientist

in Action, 508; A. A. Robb, Geometry of Time and Space, 510; R. Courant, Differential and Integral Calculus.—Vol. II., 511; W. D. MacMillan, Dynamics of Rigid Bodies, 512; J. W. Mellor, A Comprehensive Treatise on Inorganic and Theoretical Chemistry.—Vol. XV., 632; R. H. Fowler, Statistical Mechanics, 828; N. F. Mott and H. Jones, The Theory of the Properties of Metals and Alloys, 830; J. E. Barnard and F. V. Welch, Practical Photo-Micrography, 831; August Hund, Phenomena in High-Frequency Systems, 832; Reports on Progress in Physics.—Vol. III. General Editor, Dr. Allan Ferguson, 1152.

Bradley (Dr. A. J.) and Taylor (A.), the lattice spacing of iron-nickel alloys, 545; the crystal structures of Ni_2Al_3 and $NiAl_3$, 1049.

Bragin (S. W.), Iliin (B. W.) and Leontiew (A. A.), adsorption forces and their electrical nature.—III. On the nature of the forces of wetting, 294.

Bruce (J. H.) and Huxley (Dr. L. G. H.), the stability and some other properties of the corona discharge, 1096.

Buxton (A.), note on optical resolution, 440.

Calculus of variations, new basic critical equations and methods in, 114.

Canals of variable depth, on waves in, 106.

Carbon arc in vacuum, 181.

Carpenter (L. G.) and Harle (T. F.), the specific heat of iodine, 193.

Chakravarti (S. P.) on negative resistance equalizers for telephone transmission system, 897.

Chalmers (Dr. J. A.) and Pasquill (F.), the potential difference at an air-water interface, 88.

Chapman (S.) on the production of auroral and night-sky light, 657.

Characteristic radiation, the intensity of, as a function of the applied voltage, 339.

Chromium, lattice dimensions of electroplated and normal, 984.

Colorimetry with a spectrometer, 49.

Combustion, latent energy in, 345.

Compressible fluid, the radial and spiral flow of a, 597.

Constable (Dr. J. E. R.) and Aston (Dr. G. H.), the sound insulation of single and complex partitions, 161.

Contour integral expressions for Bessel functions, 762.

Corona discharge, the stability and some other properties of the, 1096.

—— —— between points in hydrogen, 534.

Craxford (S. R.), Gatty (O.), and McKay (H. A. C.), the theory of electrocapillarity.—Part VI. A note on electrophoresis, 1079.

Crystal structures of Ni_2Al_3 and $NiAl_3$, 1049.

Current in a gas, deflexion of a, by a magnetic force, 880.

Cyclohexane, fluorescence of, 558.

Cylinder, elastic, the torsion and bending of, the characteristic property of Saint-Venant's solution for, 186.

—— having a heated boundary layer, the aerodynamic characteristic of a, 681.

Daunt (J. G.), Keeley (T. C.), and Mendelssohn (K.), absorption of infra-red light in supraconductors, 264.

Dabinski (Dr. S.), the structure of polished metal surfaces, 397.

Dasannacharya (Prof. B.) and Hejmadi (D.), rotation of the earth and Foucault's pendulums of short lengths, 65.

—— and Moorthy (T. S. K.), sensitiveness of a Geiger point counter in the region between its threshold voltage and the voltage for constant counting, 609.

Datta (S.) and Deb (Malindra Mohar), studies in paramagnetism.—IV. On the ultra-violet absorption spectra of paramagnetic halides in solution and the nature of chemical linkage in them, 1005.

David (Prof. W. T.), the temperature of open flames, 251; latent energy in combustion, 345.

Davies (R. M.), the frequency of transverse vibration of a loaded fixed-free bar.—II. The effect of the rotatory inertia of the load, 464; III. The effect of the rotatory inertia of the bar, 563; IV. The effect of shearing of the bar, 1129.

Davies (R. M.) and Thomas (Dr. I. H.), a dynamical method for the measurement of Young's modulus for imperfectly elastic metals and the application of the method to nickel and some of its alloys, 361.
Davies (Dr. W.), the catalytic combustion of acetylene, 409.
Davis (Dr. A. H.) and Knowler (A. E.), the effect of air coupling in acoustic insulation by means of elastic supports, 154.
Deb (Malindra Mohan) and Datta (S.), studies in paramagnetism.—IV. On the ultra-violet absorption spectra of paramagnetic halides in solution and the nature of chemical linkage in them, 1005.
Deflexion of a current in a gas by a magnetic force, 880.
—— of unsupported beams under variable loads, 580.
Dielectric constant of ionized gases, 858.
—— materials, the measurement of internal friction in some solid, 960.
Difference systems, on second order adjoint, 158.
Differential equations which occur in the theory of Saturn's rings, the solution of a set of, 425.
Doyle (J. E.), wires under tension and transverse forces, 1114.
Dynamical systems when the obliquity of the coordinate axes varies with the time, on the forces occurring in, with an application to the theory of electrical machinery, 475.
—— theory of electron diffraction and its application to some surface problems, 271.
Eaton (J. E.) and Grime (G.), the determination of Young's modulus by flexural vibration, 96.
Electrocapillarity, the theory of.—Part VI. A note on electrophoresis, 1079.
Electron diffraction, the dynamical theory of, and its application to some surface problems, 271.
—— gas, degenerate, a note on magneto-striction in, 487.
Electrons, motions of, in a gas in the presence of variable electric fields and a constant magnetic field, 774.
Electrons, motions of, in gases in electric and magnetic fields, 210.
——, —— of, in magnetic fields and alternating electric fields, 442.
—— in gases, the equations of motion of, 481.
Electrophoresis, a note on, 1079.
——, an improved method of measuring, by the ultramiocroscope, 824.
Electrosmotic circulation in closed vessels, the theory of, 811.
Evans (Prof. E. J.) and John (Dr. W. G.), the Hall effect and some other physical constants of alloys.—Part VI. The silver-tin series of alloys, 1033.
—— and Walters (Dr. Beryl P. M.), the magneto-optical dispersion of organic liquids in the ultra-violet region of the spectrum.—Part X. The magneto-optical dispersion of iso-amyl acetate, methyl iso-valerate, and acetone, 791.
Extensible membrane, motion of, in a given curved surface, 573.
Fairthorne (R. A.), the deflexion of unsupported beams under variable loads, 580.
Flames, temperature of open, 251.
Flat plate, an approximate solution of the boundary layer equations for a, 1146.
Flow of water along smooth rectangular passages, the resistance to, and the effect of a slight convergence of divergence of the boundaries, 490.
Foucault's pendulums of short lengths and the rotation of the earth, 65.
Frazer (R. A.) on the representation of non-linear motions by series of damped time exponentials, 866.
Frequency of transverse vibration of a loaded fixed-free bar.—II. The effect of the rotatory inertia of the load, 404; III. The effect of the rotatory inertia of the bar, 563; IV. The effect of shearing of the bar, 1129.
Gaseous mixtures, the ignition of, by hot particles, 633.
Gatty (O.), McKay (H. A. C.) and Craxford (S. R.), the theory of electrocapillarity.—Part VI. A note on electrophoresis, 1079.

Geiger point counter, sensitiveness of a, in the region between its threshold voltage and the voltage for constant counting, 609.
Gemant (Andrew) and Jackson (Willis), the measurement of internal friction in some solid dielectric materials, 960.
Geodesic postulate in general relativity, 628.
Glow discharge, 239.
Gogate (D. V.), a note on magnetostriction in degenerate electron gas, 487.
Goodier (Dr. J. N.), the characteristic property of Saint-Venant's solutions for the torsion and bending of an elastic cylinder, 186; a general proof of Saint-Venant's principle, 607; on the integration of the thermo-elastic equations, 1017.
Grime (G.) and Eaton (J. E.), the determination of Young's modulus by flexural vibration, 96.
Grundberg (N. D.) and Allen (J.), the resistance to the flow of water along smooth rectangular passages and the effect of a slight convergence or divergence of the boundaries, 490.
Hall effect and some other physical constants of alloys.—Part VI. The silver-tin series of alloys, 1033.
Hamada (Hidenori) on the energy of metastable nitrogen molecules, 25.
Harding (Dr. J. W.), the dynamical theory of electron diffraction and its application to some surface problems, 271.
Harle (T. F.) and Carpenter (L. G.), the specific heat of iodine, 193.
Hejmadi (D.) and Dasannacharya (Dr. B.), rotation of the earth and Foucault's pendulums of short lengths, 65.
Hill (J. A.) and Terrey (H.), the intensity of the characteristic radiation as a function of the applied voltage, 339.
Hooker (Dr. S. G.) and Binnie (A. M.), the radial and spiral flow of a compressible fluid, 597.
Houstoun (Dr. P. A.) and Younger (Alexander J.), colorimetry with a spectrometer, 49.
Howell (W. T.), a note on Laguerre polynomials, 807.
Howland (Prof. R. C. J.), methods for the calculation of lift distributions of aerofoils, 731.
Hoyle (E. L.), Wheatcroft (Prof. E. L. E.), and Smith (Dr. R. B.), the effect of air velocity on the spark between point-plate and two-point electrode systems in atmospheric air, 718.
Huxley (Dr. L. G. H.), a note on the dependence of the mobility of ions in pure gases on temperature, 208; motions of electrons in gases in electric and magnetic fields, 210; motions of electrons in magnetic fields and alternating electric fields, 442.
—— and Bruce (J. H.), the stability and some other properties of the corona discharge, 1096.
Ignition of gaseous mixtures by hot particles, 633.
Iliin (B. W.), Leontiew (A. A.), and Bragin (S. W.), adsorption forces and their electrical nature.—III. On the nature of the forces of wetting, 294.
Imam (Ali) and Khastigir (Dr. S. R.), dielectric constant of ionized gases, 858.
Inductance of iron-cored coils carrying direct current, 99.
Infra-red light, absorption of, in supraconductors, 264.
Ingram (W. H.) on the forces occurring in dynamical systems where the obliquity of the coordinate axes varies with the time, with an application to the theory of electrical machinery, 475.
Internal friction in some solid dielectric materials, the measurement of, 960.
Involute gears, the effect of tro choidal interference on the operation of, 708.
Iodine, specific heat of, 193.
Ionization of the Kennelly-Heaviside layer, effect of thunderstorms and magnetic storms on the, 513.
Ionized gases, dielectric constant of, 858.
Ionosphere, on some effects caused in the, by electric waves.—Part I., 929.
Ions, dependence of the mobility of, in pure gases on temperature, 208.
Iron cored coils, the inductance of, carrying direct current, 99.

Jackson (Willis) and Gemant (Andrew), the measurement of internal friction in some solid dielectric materials, 960.
Jet, the plane, 727.
Jogiekar (M. S.) and Thatte (V. N.), the Raman spectra of some acid chlorides, 1067.
John (Dr. W. G.) and Evans (Prof. E. J.), the Hall effect and some other physical constants of alloys. —Part VI. The Silver-tin series of alloys, 1033.
Kapur (P. L.), Kapur (A. N.), and Bhatnagar (Prof. S. S.), the influence of magnetic field on adsorption, 256.
Kar (Prof. K. C.) and Mukherjee (K. K.) on the loss of energy by α-particles in hydrogen, 230.
Keeley (T. C.), Mendelssohn (K.), and Daunt (J. G.), absorption of infra-red light in supraconductors, 264.
Kellström (Dr. Gunnar), a new determination of the viscosity of air by the rotating cylinder method, 313.
Kennelly-Heaviside layer, effect of thunderstorms and magnetic storms on the ionization of, 513.
Khastigir (Dr. S. R.) and Imam (Ali), dielectric constant of ionized gases, 858.
Kimball (Dr. W. S.), new basic critical equations and methods in the calculus of variations, 114.
Knowler (A. E.) and Davis (Dr. A. H.), the effect of air coupling in acoustic insulation by means of elastic supports, 154.
Kuno (Prof. J.), effect of the age of phenolite on the coefficient of photoelastic extinction, 63.
Laguerre polynomials, a note on, 807.
Lane (T. B.) and White (Dr. Paul), an improved method of measuring electrophoresis by the ultra-microscope, 824.
Latent energy in combustion, 345.
Latshaw (Voris V.) on second order adjoint difference systems, 158.
Lattice, the vibrations of a face-centred cubic, 590.
—— dimensions of electroplated and normal chromium, 984.
—— spacing of iron-nickel alloys, 5.
Leontiew (A. A.), Bragin (S. W.), and Iliin (B. W.), adsorption forces and their electrical nature. —III. On the nature of the forces of wetting, 294.
Lift distributions of aerofoils, methods for the calculation of, 731.
Lightning channels, the diameter of the, 503.
McDonald (George G.), the effect of variable specific heats on the conditions at the throat of a convergent divergent nozzle, 302.
McKay (H. A. C.), Craxford (S. R.), and Gatty (O.), the theory of electrocapillarity.—Part V. A note on electrophoresis, 1079.
McLachlan (Dr. N. W.) and Meyers (A. L.), contour integral expressions for Bessel functions, 762; operational forms for Bessel and Struve functions, 918.
Magnet, the calculation of the temperature coefficient of a, 355.
Magnetic energy and the thermodynamics of magnetization, 833.
Magneto-optical dispersion of organic liquids in the ultra-violet region of the spectrum.—Part X. The magneto-optical dispersion of iso-amyl acetate, methyl isovalerate, and acetone, 791.
Magneto-striction in degenerate electron gas, a note on 487.
Mainstone (P. A.), the effect of heat treatment on the tribo-electric properties of quartz and of metals, 620; the tribo-electric properties of a quartz-nickel interface between 120° C. and −78 C., 702.
Manley (Dr. J. J.) on the construction and sensitiveness of short period platinum thermometers, 695.
Mendelssohn (K.), Daunt (J. G.), and Keeley (T. C.), absorption of infra-red light in supraconductors, 264.
Metal surfaces, polished, structure of, 397.
Metastable nitrogen molecules, on the energy of, 25.
Meyers (A. L.) and McLachlan (Dr. N. W.), contour integral expressions for Bessel functions, 762; operational forms for Bessel and Struve functions, 918.
Mitra (S. M.) on the fluorescence of cyclohexane, 558.

Mobility of ions in pure gases, dependence on temperature, 208.
Moorthy (T. S. K.) and Dasannacharya (Prof. B.), sensitiveness of a Geiger point counter in the region between its threshold voltage and the voltage for constant counting, 609.
Morris (Rosa M.), notes on two-dimensional potential theory.—I. The force and couple in electrostatic problems, 246; II. Hydrodynamical problems on the motion of cylinders, 757; III. The line source influence problems, 1082.
Motion of an extensible membrane in a given curved surface, 573.
Motions of electrons in a gas in the presence of variable electric fields and a constant magnetic field, 774.
Mukherjee (K. K.) and Kar (Dr. K. C.) on the loss of energy by α-particles in hydrogen, 230.
Narlikar (Prof. V. V.) and Singh (Jaipat), the geodesic postulate in general relativity, 628.
Negative resistance equalizers for telephone transmission system, 897.
Newman (Prof. F. H.), the carbon arc in vacuum, 181; glow discharge, 239.
Nickel-aluminium alloys, the crystal structures of, 1049.
Night-sky light, on the production of, 657.
Nitrogen molecules, on the energy of metastable, 25.
Non-linear motions, on the representation of, by series of damped time exponentials, 866.
Nozzle, the effect of variable specific heats on the conditions at the throat of a convergent-divergent, 302.
Operational forms for Bessel and Struve functions, 918.
—— representation of the parabolic cylinder functions—second paper, 926.
Optical resolution, note on, 440.
Ower (E.) on the response of a vane anemometer to an air-stream of pulsating speed, 992.
Parabolic cylinder functions, operational representation of the—second paper, 926.
Paramagnetism, studies in.—IV. On the ultra-violet absorption spectra of paramagnetic halides in solution and the nature of chemical linkage in them, 1005.
Partitions, single and complex, the sound insulation of, 161.
Partridge (G. F.), the inductance of iron-cored coils carrying direct current, 99.
Pasquill (F.) and Chalmers (Dr. J. A.), the potential difference at an air-water interface, 88.
Pendse (Dr. C. G.), the solution of a set of differential equations which occur in the theory of Saturn's rings, 425.
Periodontal membrane, points of congestion in the, 885.
Phenolite, effect of the age of, on the coefficient of photoelastic extinction, 63.
Photoelastic extinction, effect of the age of phenolite on the coefficient of, 63.
Platinum thermometers, on the construction and sensitiveness of short period, 695.
Point-plate and two-point electrode systems in atmospheric air, the effect of air velocity on the spark between, 718.
Polished metal surfaces, the structure of, 397.
Potential difference at an air-water interface, 88.
—— theory, notes on two-dimensional.—I. The force and couple in electrostatic problems, 246; II. Hydrodynamical problems on the motions of cylinders, 757; III. The line source influence problems, 1082.
Quartz and metals, the effect of heat treatment on the tribo-electric properties of, 620.
Radioactivity produced by positrons, attempt to detect, 241.
Raman spectra of some acid chlorides. 1067.
Relativity, general, the geodesic postulate in, 628.
Resistance to the flow of water along smooth rectangular passages and the effect of a slight convergence or divergence of the boundaries, 490.
Resonance curve, general form of a, 306.

Richarsdon (Dr. E. G.), the aerodynamic characteristics of a cylinder having a heated boundary layer, 681.
Robinson (Dr. N. W.), an acoustic impedance bridge, 665.
Rotation of the earth and Foucault's pendulums of short lengths, 65.
Saint-Venant's principle, a general proof of, 607.
Saturn's rings, the solution of a set of differential equations which occur in the theory of, 425.
Saxton (J. A.) and Thomson (Prof. G. P.), attempt to detect radioactivity produced by positrons, 241.
Schonland (Prof. B. F. J.), the diameter of the lightning channel, 503.
Screen-grid valves, graphical estimation of the signal handling capacity of, 520.
Seth (Dr. B. R.) on waves in canals of variable depth, 106; the symmetrical flexure of an angle-iron, 745.
Signal handling capacity of screen-grid valves, graphical estimation of the, 529.
Silver (Robert S.), the ignition of gaseous mixtures by hot particles, 633.
Silver-tin series of alloys.—Part VI. the Hall effect and some other physical constants of alloys, 1033.
Singh (Jaipat) and Narlikar (Prof. V. V.), the geodesic postulate in general relativity, 628.
Sloane (Dr. Robert W.), graphical estimation of the signal handling capacity of screen-grid valves, 529; the corona discharge between points in hydrogen, 534.
Smith (Dr. R. B.), Hoyle (E. L.), and Wheatcroft (Prof. E. L. E.), the effect of air velocity on the spark between point-plate and two-point electrode systems in atmospheric air, 718.
Solid state, on the atomic forces of, 33.
Sound insulation of single and complex partitions, 161.
Spark between point-plate and two-point electrode systems in atmospheric air, the effect of air velocity on, 718.
Sparking potentials at ultra-high frequencies, 1.
Specific heat of iodine, 193.
Stoner (Dr. Edmund C.), magnetic energy and the thermodynamics of magnetization, 833.
Strachan (C.), the vibrations of a face-centred cubic lattice, 590.
Supraconductors, absorption of infra-red light in, 264.
Sutton (W. G. L.), an approximate solution of the boundary layer equations for a flat plate, 1146.
Syam (P.) and Bhar (J. N.), effect of thunderstorms and magnetic storms on the ionization of the Kennelly-Heaviside layer, 513.
Synge (Prof. J. L.), points of congestion in the periodontal membrane, 885.
Taylor (Dr. A.) and Bradley (Dr. A. J.), the lattice spacing of iron-nickel alloys, 545; the crystal structures of Ni_2Al_3 and $NiAl_3$, 1049.
Temperature coefficient of a magnet, the calculation of, 355.
—— of open flames, 251.
Terrey (H.) and Hill (J. A.), the intensity of the characteristic radiation as a function of the applied voltage, 339.
Thatte (V. N.) and Joglekar (M. S.), the Raman spectra of some acid chlorides, 1067.
Thermodynamics of magnetization and magnetic energy, 833.
Thermo-elastic equations, on the integration of, 1017.
Thermometers, on the construction and sensitiveness of short period platinum, 695.
Thomas (Dr. I. H.) and Davies (R. M.), a dynamical method for the measurement of Young's modulus for imperfectly elastic metals and the application of the method to nickel and some of its alloys, 361.
Thomson (Prof. G. P.) and Saxton (J. A.), attempt to detect radio activity produced by positrons, 241.
Thomson (Dr. John), sparking potentials at ultra-high frequencies, 1.
Torsion and bending of an elastic cylinder, the characteristic property of Saint Venant's solution for, 186.

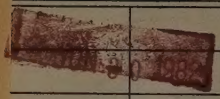
Townsend (Prof. J. S.), the equations of motion of electrons in gases, 481 ; deflexion of a current in a gas by a magnetic force, 880.
Transverse vibration of a loaded fixed-free bar, the frequency of.—II. The effect of the rotatory inertia of the load, 464 ; III. The effect of the rotatory inertia of the bar, 563 ; IV. The effect of shearing of the bar, 1129.
Tribo-electric properties of quartz and of metals, the effect of heat treatment on the, 620.
—— —— of a quartz-nickel interface between 120° C. and −78° C., 702.
Tuplin (W. A.), the effect of trochoidal interference on the operation of involute gears, 708.
Vane anemometer, on the response of a, to an air-stream of pulsating speed, 992.
Varma (R. S.), operational representation of the parabolic cylinder functions—second paper, 926.
Vibrations of a face-centred cubic lattice, 590.
Viscosity of air by the rotating cylinder method, a new determination of the, 313.
Walters (Dr. Beryl P. M.) and Evans (Prof. E. J.), the magneto-optical dispersion of organic liquids in the ultra-violet region of the spectrum.—Part X. The magneto-optical dispersion of iso-amyl acetate, methy liso-valerate, and acetone, 791.
Waves in canals of variable depth, 106.
Wetting, on the nature of the forces of, 294.
Wen-Po (Weng), on the atomic forces of solid state, 33.
Weatherburn (Prof. C. E.) on the notion of an extensible membrane in a given curved surface, 573.
Wheatcroft (Prof. E. L. E.), Smith (Dr. R. B.), and Hoyle (E. L.), the effect of air velocity on the spark between point-plate and two-point electrode systems in atmospheric air, 718.
White (Dr. Paul), the theory of electrosmotic circulation in closed vessels, 811.
—— and Lane (T. B.), an improved method of measuring electrophoresis by the ultramicroscope, 824.
Wires under tension and transverse forces, 1114.
Wood (W. A.), lattice dimensions of electroplated and normal chromium, 984.
Younger (Alexander J.) and Houstoun (Dr. R. A.), colorimetry with a spectrometer, 49.
Young's modulus, determination of, by flexural vibration, 96.
—— —— for imperfectly elastic metals, a dynamical method for the measurement of, and the application of the method to nickel and some of its alloys, 361.

END OF THE TWENTY-THIRD VOLUME.

Printed by TAYLOR & FRANCIS, Ltd., Red Lion Court, Fleet Street, E.C.4.

Wood Research

DATE DUE



PERIODICALS MUST BE RETURNED
TO PERIODICALS DESK ONLY

DEMCO 38-297